

NAME

git-latexdiff – Call latexdiff on two Git revisions of a file

OPTIONS

Usage: git latexdiff [options] OLD [NEW]

git latexdiff [options] OLD --

git latexdiff [options] -- OLD

Call latexdiff on two Git revisions of a file.

OLD and NEW are Git revision identifiers. NEW defaults to HEAD.

If "--" is used for NEW, then diff against the working directory.

Options:

- help this help message
- help-examples show examples of usage
- main <file> name of the main LaTeX, R Sweave,
 or Emacs Org mode file.
 The search for the only file containing 'documentclass'
 will be attempted, if not specified.
 For non-LaTeX files, a reasonable 'prepare' command
 will be used unless explicitly provided
- no-view don't display the resulting PDF file
- latex run latex instead of pdflatex
- xelatex run xelatex instead of pdflatex
- lualatex run lualatex instead of pdflatex
- tectonic run tectonic instead of pdflatex
- bibtex, --bbl display changes in the bibliography
 (runs bibtex to generate *.bbl files and
 include them in the source file using
 latexexpand --expand-bbl before computing
 the diff)
- biber like --bibtex, but runs biber instead.
- run-bibtex, -b run bibtex as well as latex to generate the PDF file
 (pdflatex,bibtex,pdflatex,pdflatex)
 NOTE: --bibtex usually works better
- run-biber run BibLaTeX-Biber as well as latex to generate the PDF file
 (pdflatex,biber,pdflatex,pdflatex)
 NOTE: --biber usually works better
- view view the resulting PDF file
 (default if -o is not used)
- pdf-viewer <cmd> use <cmd> to view the PDF file (default: \$PDFVIEWER)
- no-cleanup don't cleanup temp dir after running
- no-flatten don't call latexexpand to flatten the document
- cleanup MODE Cleanup temporary files according to MODE:
 - keeppdf (default): keep only the
 generated PDF file
 - none: keep all temporary files

(may eat your disk space)

- all: erase all generated files.
Problematic with `--view` when the viewer is e.g. `evince`, and doesn't like when the file being viewed is deleted.

`--latexmk` use `latexmk`
`--build-dir` use pdfs from specific build directory
`--latexopt` pass additional options to latex (e.g. `--shell-escape`)
`-o <file>`, `--output <file>`
 copy resulting PDF into `<file>` (usually ending with `.pdf`)
 Implies "`--cleanup all`"
`--tmpdirprefix` where temporary directory will be created (default: `/tmp`).
 Relative path will use repository root as a base
`--verbose`, `-v` give more verbose output
`--quiet` redirect output from subprocesses to log files
`--prepare <cmd>` run `<cmd>` before `latexdiff` (e.g. run `make` to generate included files)
`--filter <cmd>` run `<cmd>` after `latexdiff` and before compilation
 (e.g. to fix up `latexdiff` output)
`--ln-untracked` symlink uncommitted files from the working directory
`--ln-untracked-dir <dir>`
 symlink subdirectory of uncommitted files (relative to the main `.tex` file)
`--version` show `git-latexdiff` version.
`--subtree` checkout the tree at and below the main file
 (enabled by default, disable with `--whole-tree`)
`--whole-tree` checkout the whole tree (contrast with `--subtree`)
`--ignore-latex-errors` keep on going even if latex gives errors, so long as a PDF file is produced
`--ignore-makefile` ignore the Makefile, build as though it doesn't exist
`—*` other options are passed directly to `latexdiff`
`--latexexpand OPT` pass option `OPT` to `latexexpand`. Use multiple times like
 `--latexexpand OPT1 --latexexpand OPT2` to pass multiple options.
`--latexdiff-flatten` use `--flatten` from `latexdiff` instead of `latexexpand`
`--early-exit-if-equal` if two files are identical `latexdiff` will not be called and `git-latexdiff` exits gracefully.
 This option works only if `latexexpand` is used

Unrecognized options are passed unmodified to `latexdiff`.

EXAMPLES

Diff the previous revision with the latest commit:

```
git latexdiff HEAD^
```

Diff the latest commit with the working tree:

```
git latexdiff HEAD —
```

Diff latest commit with branch master:

```
git latexdiff master HEAD
```

Pass `--type=CHANGEBAR` to `latexdiff` to get changebars in the margins instead of `red+trike/blue+underline` diff:

```
git latexdiff --type=CHANGEBAR HEAD^
```

Use a specific `latexdiff` configuration file:

```
git latexdiff --config /path/to/file HEAD^
```

Add a `\makeatletter` statement to hopefully fix some LaTeX compilation errors involving commands containing an `@` character:

```
git latexdiff --latexexpand --makeatletter HEAD^
```